ABSTRACT

A galactosamine derivative represented by the following formula (1):

wherein R_1 , R_2 and R_5 each independently represents SO_3 or H, and at least one of them represents SO_3 ; R_3 represents H, acetyl or SO_3 ; R_4 represents H, a substituted or unsubstituted alkyl group, a substituted or unsubstituted alkynyl group, a substituted or unsubstituted acyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted aralkyl group; X represents O, S, NH or CH_2 ; and CH_2 ; and